Lusternik-Schnirelmann theory to Topological Complexity from A_∞-view point

岩瀬 則夫（九州大学大学院数理学研究院）

空間の代数的・幾何的モデルとその周辺

2022 年 8 月 31 日

We are trying to look over the Lusternik-Schnirelmann theory (L-S theory, for short) and the Topological Complexity (TC, for short) as a natural extension of the L-S theory. In particular, we focus on the impact of the ideas originated from E. Fadell and S. Husseini on both theories. More precisely, we see how their ideas on a category weight and a relative category drive the L-S theory and the TC.
(arXiv:2208.07545)